

Listing and Amendments to the Claims

This listing of claims will replace the claims that were published in the PCT

Application:

1. (Currently Amended) Signal processing apparatus ~~(100)~~, comprising:
first tuning means ~~(40)~~ for generating a first IF signal corresponding to a first RF signal;
first demodulating means ~~(50)~~ for generating a first demodulated signal corresponding to said first IF signal;
second tuning means ~~(20)~~ for generating a second IF signal corresponding to a second RF signal;
second demodulating means ~~(60)~~ for generating a second demodulated signal corresponding to said second IF signal; and
third demodulating means ~~(90)~~ for generating a third demodulated signal corresponding to one of said first and second IF signals.
2. (Currently Amended) The signal processing apparatus ~~(100)~~ of claim 1, wherein said first RF signal is provided via a terrestrial signal source.
3. (Currently Amended) The signal processing apparatus ~~(100)~~ of claim 1, wherein said second RF signal is provided via a cable signal source.
4. (Currently Amended) The signal processing apparatus ~~(100)~~ of claim 1, wherein:
said first demodulating means ~~(50)~~ includes a first analog demodulator;
said second demodulating means ~~(60)~~ includes a second analog demodulator; and
said third demodulating means ~~(90)~~ includes a digital demodulator.
5. (Currently Amended) The signal processing apparatus ~~(100)~~ of claim 4, wherein:

said first analog demodulator ~~(50)~~ generates a first AGC signal responsive to said first IF signal;

said second analog demodulator ~~(60)~~ generates a second AGC signal responsive to said second IF signal; and

said digital demodulator ~~(90)~~ generates a third AGC signal responsive to one of said first and second IF signals.

6. (Currently Amended) The signal processing apparatus ~~(100)~~ of claim 5, further comprising:

first RF AGC switching means ~~(30)~~ for selectively providing one of said first and third AGC signals to said first tuning means ~~(10)~~; and

second RF AGC switching means ~~(40)~~ for selectively providing one of said second and third AGC signals to said second tuning means ~~(20)~~.

7. (Currently Amended) The signal processing apparatus of claim 1, further comprising IF switching means ~~(70)~~ for selectively providing one of said first and second IF signals to said third demodulating means ~~(90)~~.

8. (Original) A method for performing signal processing, comprising:

receiving a first RF signal from a first signal source;

generating a first IF signal corresponding to said first RF signal responsive to a first channel selection;

generating a first demodulated signal corresponding to said first IF signal if said first channel selection is an analog channel selection;

receiving a second RF signal from a second signal source;

generating a second IF signal corresponding to said second RF signal responsive to a second channel selection;

generating a second demodulated signal corresponding to said second IF signal if said second channel selection is an analog channel selection; and

generating a third demodulated signal corresponding to one of said first and second IF signals if one of said first and second channel selections is a digital channel selection.

9. (Original) The method of claim 8, wherein said first signal source is a terrestrial signal source.

10. (Original) The method of claim 8, wherein said second signal source is a cable signal source.

11. (Original) The method of claim 8, further comprised of:
generating a first AGC signal responsive to said first IF signal if said first channel selection is an analog channel selection;
generating a second AGC signal responsive to said second IF signal if said second channel selection is an analog channel selection; and
generating a third AGC signal responsive to one of said first and second IF signals if one of said first and second channel selections is a digital channel selection.

12. (Currently Amended) A television signal receiver ~~(400)~~, comprising:
a first tuner ~~(10)~~ operative to generate a first IF signal corresponding to a first RF signal;
a first demodulator ~~(50)~~ operative to generate a first demodulated signal corresponding to said first IF signal;
a second tuner ~~(20)~~ operative to generate a second IF signal corresponding to a second RF signal;
a second demodulator ~~(60)~~ operative to generate a second demodulated signal corresponding to said second IF signal; and
a third demodulator ~~(90)~~ operative to generate a third demodulated signal corresponding to one of said first and second IF signals.

13. (Currently Amended) The television signal receiver ~~(400)~~ of claim 12, wherein said first RF signal is provided via a terrestrial signal source.

14. (Currently Amended) The television signal receiver ~~(400)~~ of claim 12, wherein said second RF signal is provided via a cable signal source.

15. (Currently Amended) The television signal receiver ~~(400)~~ of claim 12, wherein:

said first demodulator ~~(50)~~ includes a first analog demodulator;

said second demodulator ~~(60)~~ includes a second analog demodulator;

and

said third demodulator ~~(90)~~ includes a digital demodulator.

16. (Currently Amended) The television signal receiver ~~(400)~~ of claim 15, wherein:

said first analog demodulator ~~(50)~~ generates a first AGC signal responsive to said first IF signal;

said second analog demodulator ~~(60)~~ generates a second AGC signal responsive to said second IF signal; and

said digital demodulator ~~(90)~~ generates a third AGC signal responsive to one of said first and second IF signals.

17. (Currently Amended) The television signal receiver ~~(400)~~ of claim 16, further comprising:

a first RF AGC switch ~~(30)~~ operative to selectively provide one of said first and third AGC signals to said first tuner ~~(40)~~; and

a second RF AGC switch ~~(40)~~ operative to selectively provide one of said second and third AGC signals to said second tuner ~~(20)~~.

18. (Currently Amended) The television signal receiver of claim 12, further comprising an IF switch ~~(70)~~ operative to selectively provide one of said first and second IF signals to said third demodulator ~~(90)~~.